

Title (en)

MULTIPLE PROFILE FILAMENTS FROM A SINGLE COUNTERBORE

Publication

EP 0505617 A3 19930616 (EN)

Application

EP 91120684 A 19911202

Priority

US 67855291 A 19910328

Abstract (en)

[origin: EP0505617A2] A spinneret plate defines at least one counterbore, and within the counterbore, at least one non-round curved capillary. The capillary has a plurality of extending tips, wherein for any one capillary, at least two of the extending tips have a different radius of curvature.
<IMAGE>

IPC 1-7

D01D 5/253

IPC 8 full level

D01D 4/08 (2006.01); **D01D 5/08** (2006.01); **D01D 5/253** (2006.01)

CPC (source: EP US)

D01D 5/253 (2013.01 - EP US)

Citation (search report)

- [AD] US 3652753 A 19720328 - SHEMDIN BEJAR HAZIN
- [AD] US 3734993 A 19730522 - PALIYENKO P, et al
- [AD] US 4318680 A 19820309 - PFEIFFER RONALD E, et al

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

US 5129812 A 19920714; DE 69117280 D1 19960328; DE 69117280 T2 19960711; EP 0505617 A2 19920930; EP 0505617 A3 19930616; EP 0505617 B1 19960221; JP H0593312 A 19930416

DOCDB simple family (application)

US 67855291 A 19910328; DE 69117280 T 19911202; EP 91120684 A 19911202; JP 6745192 A 19920325